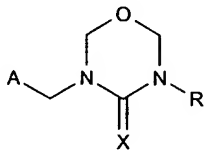
WHAT IS CLAIMED IS:

1. A composition for controlling insects or representatives of the order Acarina, which comprises a combination of variable amounts of one or more compounds of the formula



(A),

in which

A is an unsubstituted or, depending on the possibility of substitution on the ring system, mono- to tetrasubstituted, aromatic or non-aromatic monocyclic or bicyclic heterocyclic radical, in which the substituents of A are chosen from the group consisting of C_1-C_3alkyl, C_1-C_3alkoxy, halogen, halo-C_1-C_3alkyl, cyclopropyl, halocyclopropyl, C_2-C_3alkenyl, C_2-C_3alkynyl, halo-C_2-C_3alkenyl, halo-C_2-C_3alkynyl, halo-C_1-C_3alkoxy, C_1-C_3alkylthio, Halo-C_1-C_3alkylthio, allyloxy, propargyloxy, allylthio, propargylthio, haloallyloxy, haloallylthio, cyano and nitro;

R is hydrogen, C_1-C_6alkyl, phenyl-C_1-C_4alkyl, C_3-C_6cycloalkyl, C_2-C_6alkenyl or C_2-C_6alkynyl; and

X is N-NO_2 or N-CN,

in the free form or in salt form, if appropriate tautomers, in the free form or salt form, and one or more of the compounds:

(I) aldicarb;
(II) azinphos-methyl;
(III) benfuracarb;
(IV) bifenthrin;
(V) buprofezin;
(VI) carbofuran;
(VII) dibutylaminothio;
(VIII) cartap;
(IX) chlorofluazuron;
(X) chloropyrifos;
(XI) cyfluthrin;
(XII) lambda-cy-halothrin;
(XIII) alpha-cypermethrin;
(XIV) zeta-Cypermethrin;
(XV) deltamethrin;
(XVI) diflubenzuron;
(XVII) endosulfan;
(XVIII) ethiofencarb;
(XIX) fenitrothion;
(XX) fenobucarb;
(XXI) fenvalerate;
(XXII) formothion;
(XXIII) methiocarb;
(XXIV) heptenophos;
(XXV) imidacloprid;
(XXVI) isoprocarb;
(XXVII) methamidophos;
(XXVIII) methomyl;
(XXIX) mevinphos;
(XXX) parathion;
(XXXI) parathion-methyl;
(XXXII) phosalone;
(XXXIII) pirimicarb;
(XXXIV) propoxur;
(XXXV) teflubenzuron;
(XXXVI) terbufos;
(XXXVII) triazamate;
(XXXVIII) abamectin;
(XXXIX) fenobucarb;
(XL) tebufenozide;
(XLI) fipronil;
(XLII) beta-cyfluthrin;

(XLIII) silafluofen;
(XLIV) fenpyroximate;
(XLV) pyridaben;
(XLVI) fenazaquin;
(XLVII) pyriproxyfen;
(XLVIII) pyrimidifen;
(XLIX) nitenpyram;
(L) NI-25, acetamiprid;
(LI) avermectin B_1 (abamectin);
(LII) a plant extract which is active against insects;
(LIII) a preparation which comprises nematodes which are active against insects;
(LIV) a preparation obtainable from Bacillus subtilis;
(LV) a preparation which comprises fungi which are active against insects;
(LVI) a preparation which comprises viruses which are active against insects;
(LVII) AC 303 630;
(LVIII) acephate;
(LIX) acrinathrin;
(LX) alanycarb;
(LXI) alphamethrin;
(LXII) amitraz;
(LXIII) AZ 60541;
(LXIV) azinphos A;
(LXV) azinphos M;
(LXVI) azocyclotin;
(LXVII) bendiocarb;
(LXVIII) bensultap;
(LXIX) betacyfluthrin;
(LXX) BPMC;
(LXXI) brofenprox;
(LXXII) bromophos A;
(LXXIII) bufencarb;
(LXXIV) butocarboxin;
(LXXV) butylpyridaben;
(LXXVI) cadusafos;
(LXXVII) carbaryl;
(LXXVIII) carbophenothion;
(LXXIX) chloethocarb;
(LXXX) chloroethoxyfos;
(LXXXI) chloromephos;
(LXXXII) cis-res-methrin;
(LXXXIII) clocythrin;
(LXXXIV) clofentezin;
(LXXXV) cyanophos;
(LXXXVI) cycloprothrin;
(LXXXVII) cyhexatin;
(LXXXVIII) demeton M;
(LXXXIX) demeton S;
(XC) demeton-S-methyl;
(XCI) dichlofenthion;
(XCII) dicliphos;
(XCIII) diethion;
(XCIV) dimethoate;
(XCV) dimethylvinphos;
(XCVI) dioxathion;
(XCVII) edifenphos;
(XCVIII) emamectin;
(XCIX) esfenvalerate;
(C) ethion;
(CI) ethofenprox;
(CII) ethoprophos;
(CIII) etrimphos;
(CIV) fenamiphos;
(CV) fenbutatin oxide;
(CVI) fenothiocarb;
(CVII) fenpropathrin;
(CVIII) fenpyrad;
(CIX) fenthion;
(CX) fluazinam;
(CXI) flucycloxuron;
(CXII) flucythrinate;
(CXIII) flufenoxuron;
(CXIV) flufenprox;
(CXV) fonophos;
(CXVI) fosthiazate;
(CXVII) fubfenprox;
(CXVIII) HCH;
(CXIX) hexaflumuron;
(CXX) hexythiazox;
(CXXI) iprobenfos;
(CXXII) isofenphos;
(CXXIII) isoxathion;
(CXXIV) ivermectin;
(CXXV) lambda-cyhalothrin;
(CXXVI) malathion;
(CXXVII) mecarbam;
(CXXVIII) mesulfenphos;
(CXXIX) metaldehyde;

(CXXX) metolcarb;
(CXXXI) milbemectin;
(CXXXII) moxidectin;
(CXXXIII) naled;
(CXXXIV) NC 184;
(CXXXV) omethoate;
(CXXXVI) oxamyl;
(CXXXVII) oxydemeton M;
(CXXXVIII) oxydeprofos;
(CXXXIX) permethrin;
(CXL) phenthoate;
(CXLI) phorate;
(CXLII) phosmet;
(CXLIII) phoxim;
(CXLIV) pirimiphos M;
(CXLV) pirimiphos A;
(CXLVI) promecarb;
(CXLVII) propaphos;
(CXLVIII) prothiofos;
(CXLIX) prothoate;
(CL) pyrachlophos;
(CLI) pyrada-phenthion;
(CLII) pyresmethrin;
(CLIII) pyrethrum;
(CLIV) RH 5992;
(CLV) salithion;
(CLVI) sebufos;
(CLVII) sulfotep;
(CLVIII) sulprofos;
(CLIX) tebufenpyrad;
(CLX) tebupirimphos;
(CLXI) tefluthrin;
(CLXII) temephos;
(CLXIII) terbam;
(CLXIV) tetrachlorovinphos;
(CLXV) thiafenox;
(CLXVI) thiodicarb;
(CLXVII) thiofanox;
(CLXVIII) thionazin;
(CLXIX) thuringiensin;
(CLXX) tralomethrin;
(CLXXI) triarthen;
(CLXXII) triazophos;
(CLXXIII) triazuron;
(CLXXIV) trichlorofon;
(CLXXV) triflumuron;
(CLXXVI) trimethacarb;
(CLXXVII) vamidothion;
(CLXXVIII) xylylcarb;
(CLXXIX) YI 5301/5302;
(CLXXX) zetamethrin;
(CLXXXI) DPX-MP062;
(CLXXXII) RH-2485;
(CLXXXIII) D 2341; or
(CLXXXIV) XMC (3,5-xylylmethylcarbamate),

and at least one auxiliary.

2. A composition according to claim 1, in which, in the compound of the formula (A), R is hydrogen, C_1-C_4alkyl, C_3-C_6cycloalkyl, C_2-C_6alkenyl or C_2-C_6alkynyl.

3. A composition according to claim 1 or 2, in which, in the compound of the formula (A), the cyclic base skeleton of A contains 2 to 4 double bonds.

4. A composition according to any one of claims 1 to 3, in which, in the compound of the formula (A), the cyclic base skeleton of A contains 1 up to and including 4 heteroatoms.

5. A composition according to any one of claims 1 to 4, in which, in the compound of the formula (A), the cyclic base skeleton of A contains 1, 2 or 3 heteroatoms, chosen from the group consisting of oxygen, sulfur and nitrogen, not more than one of the heteroatoms contained in the cyclic base skeleton being an oxygen or a sulfur atom.

6. A composition according to any one of claims 1 to 5, in which, in the compound of the formula (A) the cyclic base skeleton of A is mono- or disubstituted by substituents chosen from the group consisting of halogen and C_1-C_3alkyl.

7. A composition according to any one of claims 1 to 6, in which, in the compound of the formula (A), the cyclic base skeleton of A is a pyridyl, 1-oxidopyridinio or thiazolyl group.

8. A composition according to any one of claims 1 to 7, in which, in the compound of the formula (A), X is N-NO_2.

9. A composition according to claim 1, which comprises either
(A.1) (2-chloropyrid-5-ylmethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
(A.2) (2-chlorothiazol-5-ylmethyl)-3-ethyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
(A.3) 3-methyl-4-nitroimino-5-(1-oxido-3-pyridiniomethyl)-perhydro-1,3,5-oxadiazine;
(A.4) (2-chloro-1-oxido-5-pyridiniomethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
(A.5) (2-chlorothiazol-5-ylmethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine;
(A.6) 3-methyl-5-(2-methylpyrid-5-ylmethyl)-4-nitroimino-perhydro-1,3,5-oxadiazine;
(A.7) (2-chloropyrid-5-ylmethyl)-4-nitroimino-perhydro-1,3,5-oxadiazine;
(A.8) (2-chlorothiazol-5-ylmethyl)-4-nitroimino-perhydro-1,3,5-oxadiazine; or
(A.9) (2-chloropyrid-5-ylmethyl)-3-ethyl-4-nitroimino-perhydro-1,3,5-oxadiazine.

10. A composition according to any one of claims 1 to 9, which comprises 5-(2-chlorothiazol-5-ylmethyl)-3-methyl-4-nitroimino-perhydro-1,3,5-oxadiazine.

11. A composition according to any one of claims 1 to 10, which comprises only one of the compounds (I) to (CLXXXIV).

12. A composition according to any one of claims 1 to 11 which comprises pyriproxyfen.

13. A composition according to any one of claims 1 to 11, which comprises fipronil.

14. A composition according to any one of claims 1 to 11, which comprises endosulfan.

15. A composition according to any one of claims 1 to 11, which comprises buprofezin.

16. A composition according to any one of claims 1 to 11, which comprises pirimicarb.

17. A method of controlling pests, which comprises applying a composition as defined in any one of claims 1 to 16, to the pests or their environment.

18. A method according to claim 17, for the protection of plant propagation material, which comprises treating the plant propagation material or the site where the propagation material is brought out.

19. A process for the preparation of a composition comprising at least one auxiliary as defined in any one of claims 1 to 16, which comprises intimately mixing the active compounds with the auxiliary or auxiliaries.

20. Plant propagation material treated by the method defined in claim 18.

21. The use of a composition as defined in any one of claims 1 to 16, in a method as defined in claim 17 or 18.

22. The use of a compound of the formula (A), in the free form or in an agrochemically usable salt form, for the preparation of a composition as defined in any one of claims 1 to 16.